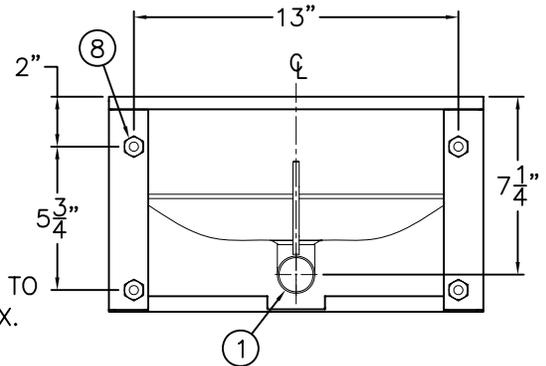
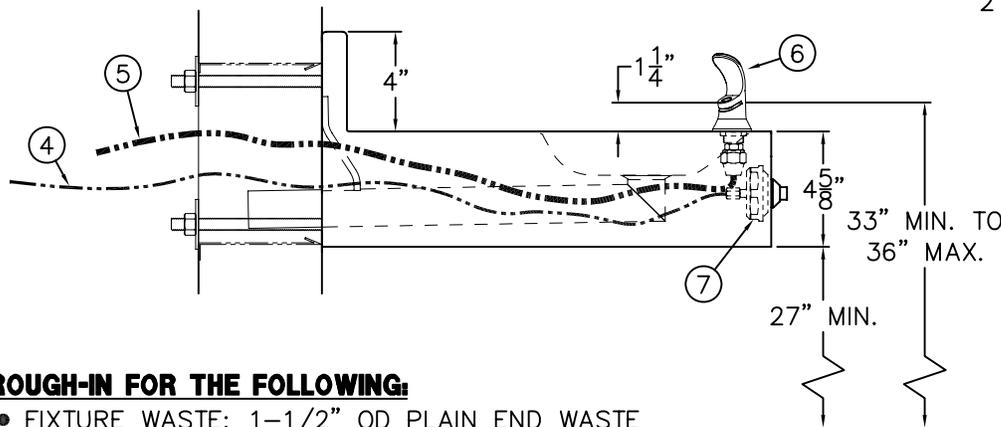


REFERENCE DRAWINGS	
AIR-CONTROL CONNECTIONS	9905-006-001
FIXTURE TRIM (SINGLE TEMP.)	9957-026-001
MOUNTING HARDWARE	9957-026-001
-SW WALL SLEEVE	9925-225-001
OPTIONAL VALVES:	
-MVC1 TIME-TROL	9900-001-004
-EVS1 MASTER-TROL	9905-330-004

**WARNING:**

WATER FLOW PRESSURE 25/100 PSI MIN/MAX. RECOMMENDED OUTLET TEMPERATURE 105°F MAX. FLUSH ALL SUPPLY LINES THOROUGHLY BEFORE CONNECTING. DRAIN VALVE PRIOR TO FREEZING TEMPERATURES.

**NOTE: REFER TO A.D.A. ACCESSIBILITY GUIDELINES FOR COMPLETE INSTALLATION REQUIREMENTS.**



**CAT. #1672ADA**  
VIEW FROM REAR

**ROUGH-IN FOR THE FOLLOWING:**

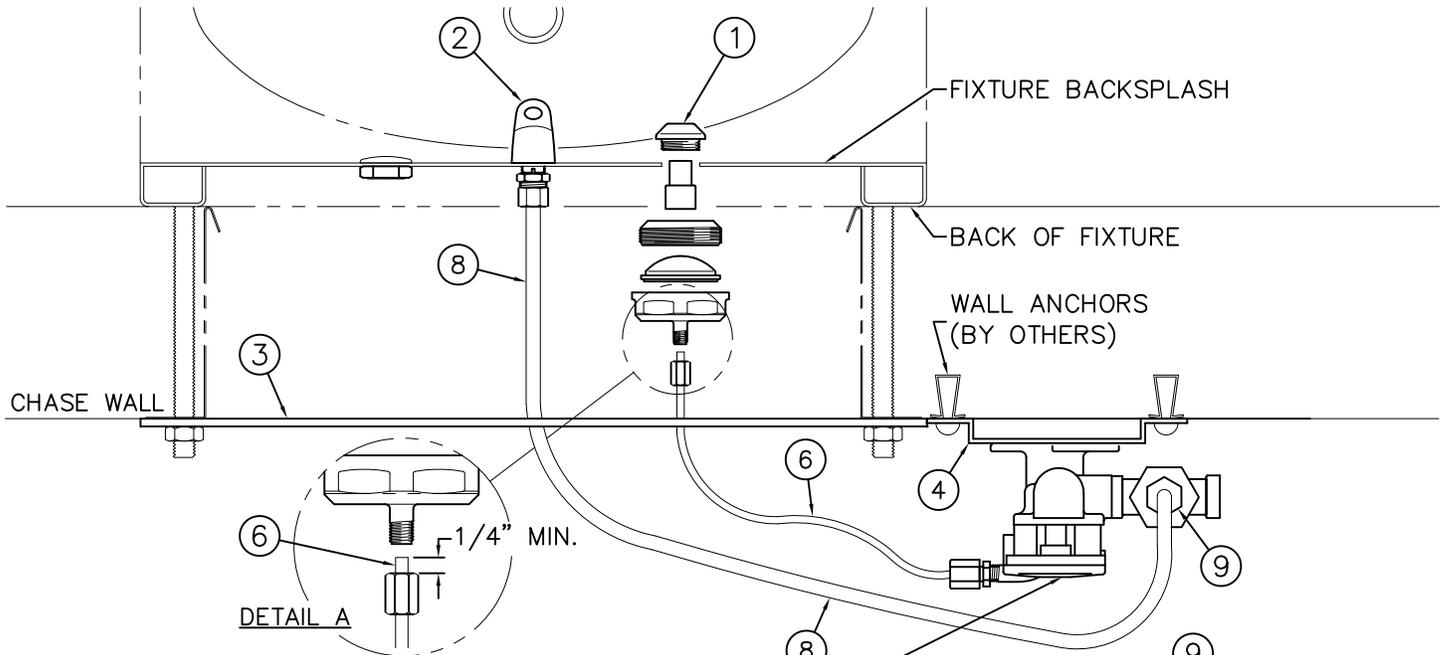
- FIXTURE WASTE: 1-1/2" OD PLAIN END WASTE OUTLET (1).
- SUPPLY INLET: 1/2" NPS HOSE END VALVE CONNECTION (2). NOTE: HOSE END CONNECTION WILL ACCOMMODATE 1/2" NPT ADAPTER.
- THRU WALL OPENINGS FOR ANCHORING STUDS (3), AIR (4) AND RISER (5) TUBING.

**INSTALLATION INSTRUCTIONS:**

- A-MOUNT BUBBLERS (6) AND PUSHBUTTONS (7) TO FIXTURE. SEE DRAWING 9905-006-001 FOR DETAILS.
- B-THREAD 1/2"-13 UNC STUDS (3) INTO FIXTURE REAR ANCHOR TAPPINGS (8). NOTE: STUDS MUST HAVE 1/2" MINIMUM ENGAGEMENT.

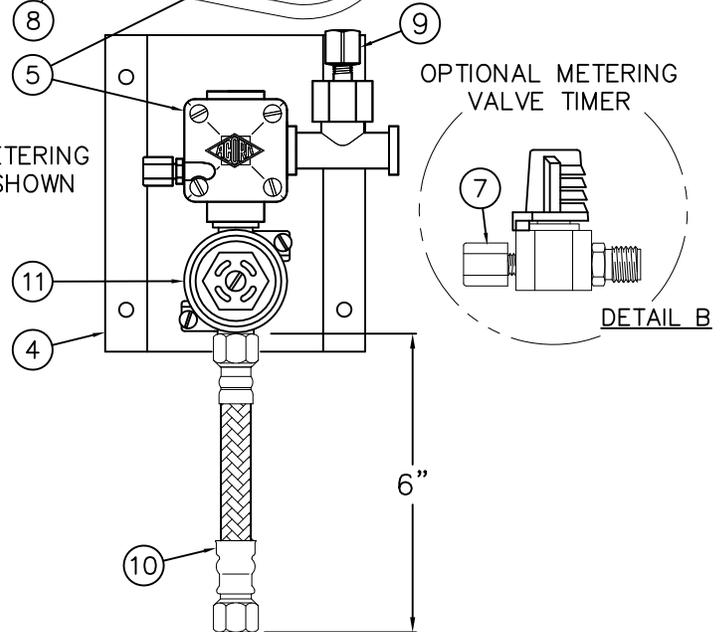
- C-FROM CELL SIDE, ALIGN ANCHOR STUDS (3) WITH THRU WALL OPENINGS AND SLIDE UNTIL UNIT RESTS AGAINST THE FINISHED WALL.
- D-FROM CHASE SIDE, ANCHOR FIXTURE USING NUTS (9) AND WASHERS (10) PROVIDED. TIGHTEN TO 60 FT. LBS.
- E-MAKE UP WASTE CONNECTION (1).
- F-AFTER THOROUGHLY FLUSHING SUPPLY LINES MAKE UP VALVE INLET CONNECTION (2).
- G-SEE APPROPRIATE SHEETS FOR VALVE DETAILS.

<p>ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200</p>	<p>TITLE <b>ADA COMPLIANT DRINKING FOUNTAIN CAT. #1672ADA</b></p>		
	<p>MANUFACTURE DATE</p> <p><b>JANUARY 2012</b></p> <p><b>TO PRESENT</b></p>	<p>DATE ISSUED</p> <p><b>01/25/12</b></p> <p>DATE REVISED</p>	<p>DRAWING NUMBER</p> <p><b>9925-190-003</b></p>



REFERENCE DRAWINGS	
ASSEMBLIES	NUMBER
VALVE BODY	9955-006-003
CHECKSTOP	9956-040-003
FIXTURE TRIM	9957-051-001
AIR-CONTROL SERVOMOTERS	
METERING	9955-000-003
NON-METERING	9955-001-003

NOTE: NON-METERING VALVE SHOWN



**INSTALLATION INSTRUCTIONS:**

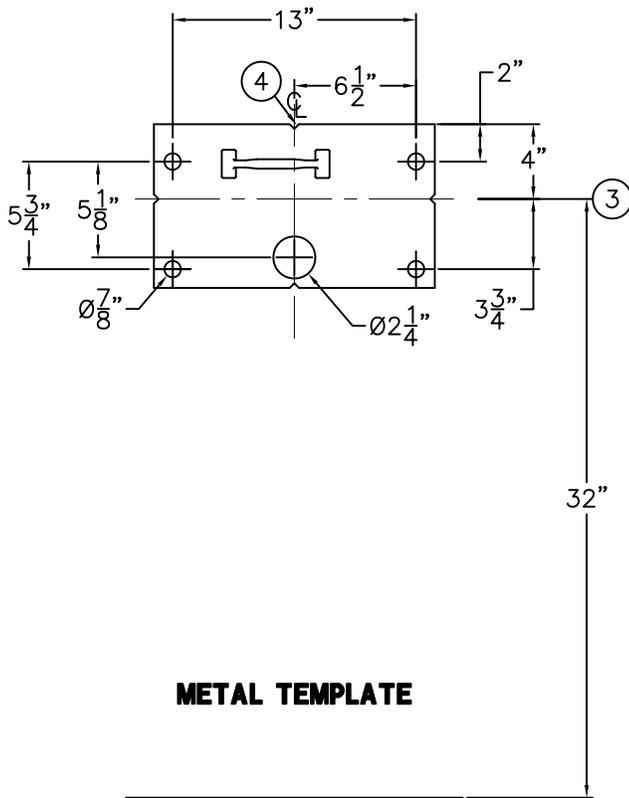
- A- PRIOR TO INSTALLATION OF THE FIXTURE, MOUNT PUSHBUTTON ① AND BUBBLER ② TO THE BACKSPLASH.
- B- INSTALL THE PLUMBING FIXTURE TO THE WALL INCLUDING UPPER SUPPORT PLATE ③.
- C- LOCATE AS REQUIRED AND MOUNT THE AIR-CONTROL VALVE ASSEMBLY ④. MAXIMUM ALLOWABLE DISTANCE BETWEEN PUSHBUTTON ① AND AIR-CONTROL SERVOMOTOR ⑤ IS 10 FEET. WALL ANCHORING HARDWARE ARE BY OTHERS.
- D- CONNECT 1/8" O.D. POLYETHYLENE AIR LINE ⑥ TO PUSHBUTTON ① AND SERVOMOTOR ⑤. HAND TIGHTEN USING FERRULE NUT PROVIDED. SEE DETAIL A. NOTE: WHEN METERING VALVE IS SPECIFIED, AIR LINE CONNECTS DIRECTLY TO VALVE TIMER ⑦. SEE DETAIL B.
- E- CONNECT 1/4" O.D. POLYETHYLENE WATER LINE ⑧ TO BUBBLER ② AND COMPRESSION NUT ⑨. HAND TIGHTEN USING FERRULE NUT PROVIDED.

- F- AFTER THOROUGHLY FLUSHING THE SUPPLY LINE, MAKE-UP 1/2" NPS FEMALE SUPPLY CONNECTION. NOTE: SUPPLY INLET CONNECTION WILL ACCOMODATE 1/2" NPT MALE ADAPTER. THREAD FLEX CONNECTOR HOSE ⑩ TO CHECKSTOP ⑪ AND SUPPLY STUB OUT.
- G- SEE APPROPRIATE SERVOMOTOR REFERENCE DRAWING FOR DETAILS AND TIMING INSTRUCTIONS.

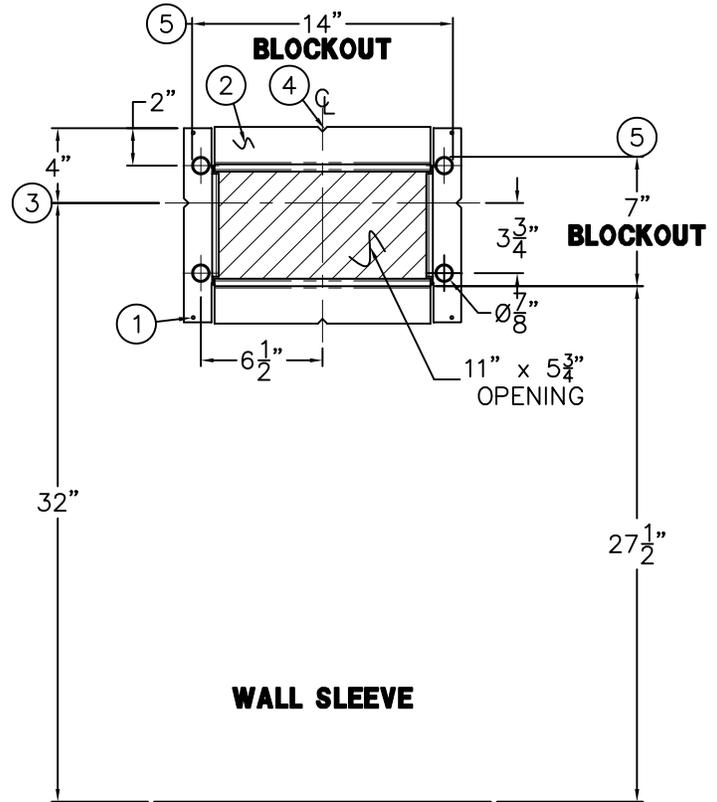
NOTE:

MAXIMUM RECOMMENDED WORKING WATER PRESSURE IS 100 PSI; TEMPERATURE IS 130° F; OUTLET TEMPERATURE IS RECOMMENDED AT A MAXIMUM OF 105° F.  
 WARNING:  
 PRIOR TO MAKING INSTALLATION, SUPPLY LINES MUST BE FLUSHED OF ALL FOREIGN MATERIAL SUCH AS PIPE DOPE, CHIPS, SOLDER, ETC. VALVE MUST BE DRAINED PRIOR TO BEING SUBJECTED TO FREEZING TEMPERATURES. MAXIMUM RECOMMENDED OUTLET WATER TEMPERATURE IS 105° F.

ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	TITLE <b>(-03 SERIES) SINGLE TEMP AIR-CONTROL VALVE ASSEMBLY -NEW STYLE</b>		
	MANUFACTURE DATE <b>SEPTEMBER 1995                  TO PRESENT</b>	DATE ISSUED <b>11/01/95</b>	DRAWING NUMBER <b>9905-001-003</b>
	DATE REVISED <b>07/15/10</b>		



**METAL TEMPLATE**



**WALL SLEEVE**

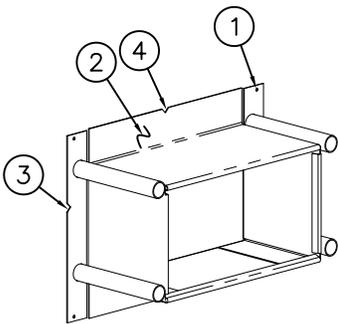
**WALL SLEEVE**

SLEEVES ARE INSTALLED IN FORMS USING NAIL HOLES (1) PROVIDED OR GROUTED INTO BLOCK WALLS THEREBY BECOMING A PERMANENT PART OF THE WALL.

**NOTE:**

FOR POURED WALL CONSTRUCTION, TEMPORARY BRACING SHOULD BE INSTALLED WITHIN OPENING TO PREVENT DEFORMATION TO SLEEVE WHICH MAY OCCUR DURING POUR. DO NOT POUR CONCRETE DIRECTLY ON TOP OF WALL SLEEVE.

- A- INSTALL SLEEVE WITH FLANGE (2) ON CHASE SIDE OF WALL.
- B- SIDE NOTCHES (3) INDICATE DECK HEIGHT LOCATED AT 32" ABOVE FINISHED FLOOR ON CELL SIDE.
- C- VERTICAL OR TOP AND BOTTOM NOTCHES (4) INDICATE CENTERLINE OF SLEEVE AND FIXTURE HOUSING.
- D- USE BLOCKOUT (5) DIMENSIONS SHOWN WHEN SLEEVES ARE NOT AVAILABLE.



**METAL TEMPLATES**

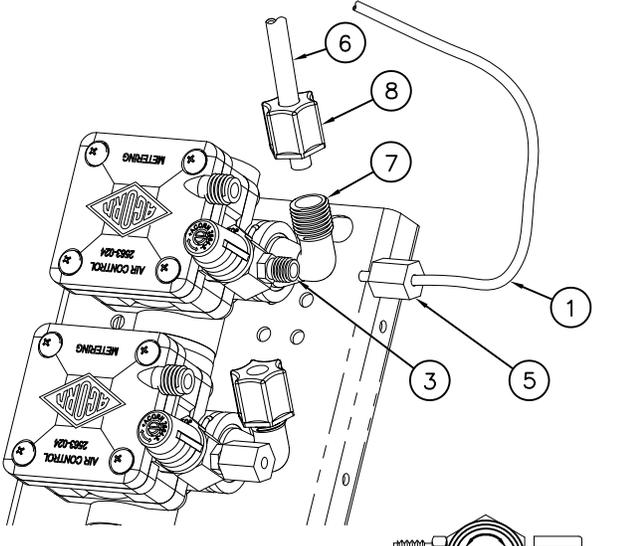
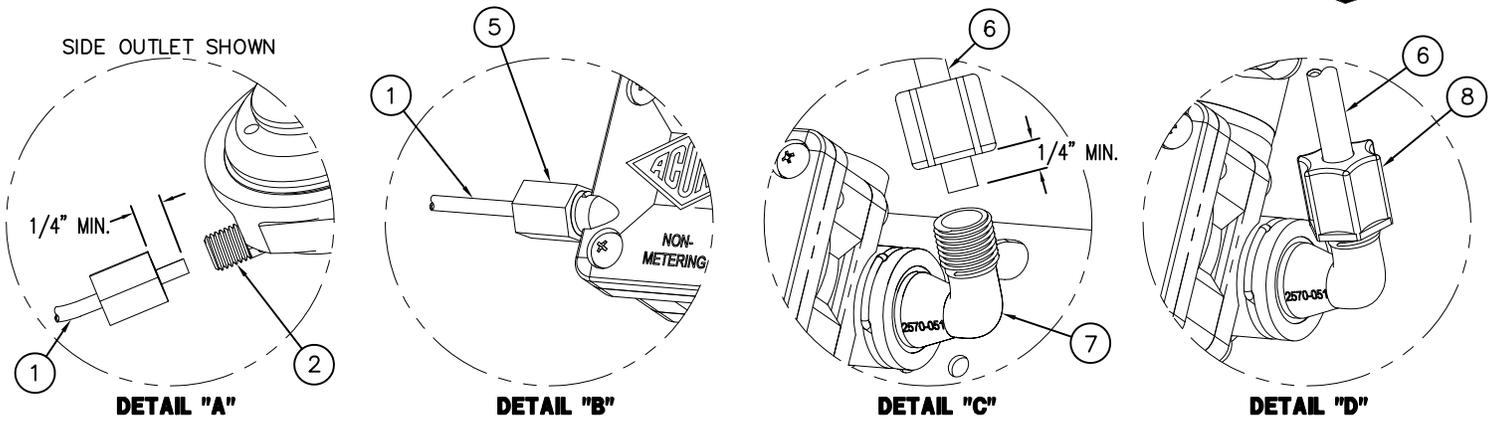
METAL TEMPLATES ARE USED TO LAYOUT REQUIRED WALL OPENINGS FOR SUBSEQUENT FLAME CUTTING OR CORE DRILLING.

- A- MEASURE FROM THE FINISHED FLOOR ON CELL SIDE AND STRIKE A HORIZONTAL CHALK LINE ON THE WALL AT DIMENSIONS SHOWN FOR SIDE NOTCHES (3) INDICATING FIXTURE DECK HEIGHT.
- B- STRIKE A VERTICAL CHALK LINE AT DIMENSIONS SHOWN FOR VERTICAL OR TOP AND BOTTOM NOTCHES (4) INDICATING CENTERLINE OF SLEEVE AND FIXTURE HOUSING.
- C- PLACE TEMPLATE AGAINST WALL ALIGNING VERTICAL AND HORIZONTAL NOTCHES AND MARK REQUIRED WALL OPENINGS.

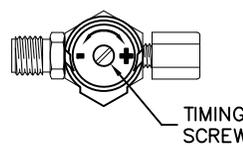


ACORN ENGINEERING COMPANY  
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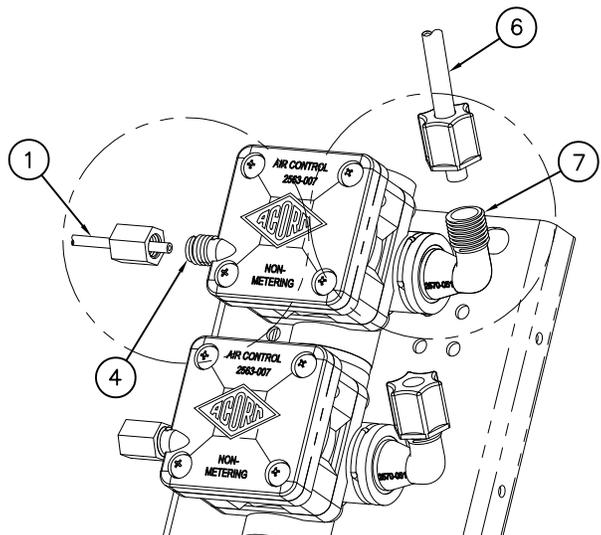
TITLE <b>-SW WALL SLEEVE AND -MT METAL TEMPLATE - CAT. #1672-ADA</b>		
MANUFACTURE DATE <b>DECEMBER 1994</b> <b>TO PRESENT</b>	DATE ISSUED <b>03/15/94</b>	DRAWING NUMBER <b>9925-225-001</b>
	DATE REVISED <b>01/20/12</b>	



METERING



TIMING SCREW



NON-METERING DIRECT ACTING

TIMING IS ADJUSTABLE FROM 5 TO 60 SECONDS AND IS ACCOMPLISHED BY ROTATING TIMING SCREW. TURING THE SCREW CLOCKWISE INCREASES WHILE COUNTERCLOCKWISE DECREASES TIMING.

REFERENCE DRAWINGS	
ASSEMBLIES	DRAWING
VALVE BODY	9955-006-003
CHECKSTOP	9956-040-003
FIXTURE TRIM	9957-051-001
AIR-CONTROL SERVOMOTORS	
METERING	9955-000-003
NON-METERING	9955-001-003

**INSTALLATION INSTRUCTIONS:**

- A- MOUNT FIXTURE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- B- ASSEMBLE SPOUTS AND PUSHBUTTONS TO FIXTURE.
- C- CONNECT 1/8" O.D. POLYETHYLENE AIR LINE (1) TO PUSHBUTTON (2), AND VALVE TIMER ASSEMBLY (3) SEE DETAIL "A". NOTE: FOR DIRECT ACTING: ASSEMBLE TO AIR PORT (4), SEE DETAIL "B". HAND TIGHTEN FERRULE NUT (5) PROVIDED.
- D- CONNECT 1/4" O.D. POLYETHYLENE WATER LINES (6) TO VALVE ASSEMBLY ELBOW (7) SEE DETAILS "C", AND "D". HAND TIGHTEN FERRULE NUT (8) PROVIDED.
- E- AFTER THOROUGHLY FLUSHING SUPPLY LINES MAKE UP CONNECTIONS TO VALVE ASSEMBLY INLET(S) 1/2" NPT OR 1/2" NPS FLEX HOSE AS REQUIRED.

NOTE:

- 1) ALL TUBING SHOULD BE CUT SQUARE AND BE FREE OF BURRS OR DEFORMITIES TO ENSURE A WATER TIGHT CONNECTION.
- 2) EXTEND TUBING AT LEAST 1/4" BEYOND FERRULE NUT BEFORE INSERTING TUBING INTO CONNECTION OPENING BEFORE TIGHTENING.
- 3) TUBING SHOULD BE FREE OF KINKS FOR PROPER OPERATION
- 4) MAXIMUM RECOMMENDED WORKING WATER PRESSURE IS 100 PSI; TEMPERATURE IS 130° F; OUTLET TEMPERATURE IS RECOMMENDED AT A MAXIMUM OF 105° F.

WARNING:

PRIOR TO MAKING INSTALLATION, SUPPLY LINES MUST BE FLUSHED OF ALL FOREIGN MATERIAL SUCH AS PIPE DOPE, CHIPS, SOLDER, ETC. VALVE MUST BE DRAINED PRIOR TO BEING SUBJECTED TO FREEZING TEMPERATURES. MAXIMUM RECOMMENDED OUTLET WATER TEMPERATURE IS 105° F.

<p>ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200</p>	<p>TITLE <b>HAND OPERATED AIR-CONTROL VALVE CONNECTIONS</b></p>		
	<p>MANUFACTURE DATE</p> <p><b>JANUARY 1999</b></p> <p><b>TO PRESENT</b></p>	<p>DATE ISSUED</p> <p><b>04/22/10</b></p>	<p>DRAWING NUMBER</p> <p><b>9905-006-001</b></p>
		<p>DATE REVISED</p> <p><b>10/11/10</b></p>	